



Research Today



VOLUME 7, ISSUE 3

JULY 2021

Published by: Chief
Scientist's Office
59 MDW/ST
(210) 292-2097
(DSN 554)

59MDW/JBSA Collaborating with Walter Reed's Surgical Care

Page 1

BioMedSA's Biofest

Page 2

59 MDW Researchers and Developers

Page 2

San Antonio Military Health Systems (SAMHS) And Universities Research Forum

Page 3

2021 Partnership Award

Page 4

Science and Technology Contact Information

Page 5

59MDW/JBSA Collaborating with Walter Reed's Surgical Critical Care Initiative (SC2i)

The Surgical Critical Care Initiative (SC2i) is a multi-organization entity formed to improve the care of critically injured service men and women by facilitating the development, translation and dissemination of data-driven care models relevant to patients requiring surgery or surgical critical care. This initiative brings clinicians and scientists together to gather and analyze information ranging from simple observation to bio-banked tissue samples, and it makes the resulting data availa-



BAMC Site Principal
Investigator:
LTC Jason Radowsky

ble for use in computerized statistical models that, critically, produce decision guidance tools that can quickly be used to improve clinical practice and outcomes. Through the efforts of this study, battlefield surgeons and civilian physicians will have a powerful new tool that can help them recover patients from traumatic injuries faster using models characterizing patterns of inflammation in blood, tissue, and serum samples that estimate the probability of surgical complications before they occur.

Originating as an effort from the Uniformed Services University of Health Sciences (USUHS) and Walter Reed National Military Medical Center, SC2i study sites will help to collect biological samples and data to investigate the underlying biology governing states of critical illness and injury in a variety of study groups. With the assistance and support from the 59MDW Science & Technology Office of the Chief Scientist, researchers at Brooke Army Medical Center (BAMC) and 59MDW/ST will now be poised to participate as a clinical site in this historic multi-year study that will help improve overall surgical outcomes, allows trauma patients to spend less time in intensive care, and will further reduce healthcare costs.

BioMedSA's Biofest

Dr. Scott Walter and Lt Col Joseph Maddry participated in "What is Military Medicine in San Antonio" panel discussion at BioMedSA's Biofest event on 19 May - the event was attended by over 110 participants and was a stimulus promoting collaborative medical research and development with industry, academia, and other organizations.



**Dr. Scott
Walter**



**Lt Col Joseph
Maddry**

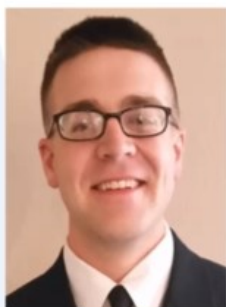
59 MDW Researchers and Developers

Have you ever had a question about the regulatory approval required for new medical products under development but were unsure where to go to get answers, or were under or overwhelmed by searching regulatory websites? Look no further and reach out to the 59 MDW ST Office instead. They have on their staff Mr. Tom Gardner, a regulatory expert with years of experience working in industry and supporting the military. He can answer Food and Drug Administration (FDA) related questions, research concerns, and provide guidance and regulatory support, from new and innovative medical products and processes to manufacturing practices for medical products. He is a strong advocate of creating a regulatory approval strategy early to avoid timely and costly missteps down the road from following a wrong pathway. He is very passionate about expeditiously developing and providing medical products for the military that are safe, effective, and affordable. He is also a strong proponent for utilizing Public Law 115-92, a method that Congress recently created for the Department of Defense (DoD) and the FDA to work together to rapidly provide life-saving medical products to the military, enabling companies working for the DoD to request preferential treatment for expedited reviews, informal meetings, and helps with answering questions and addressing issues. Please reach out to him when working with any non-military collaborators to ensure that the product/process that they are developing has a viable regulatory pathway/strategy. Also, if you are developing a regulatory strategy for your proposal to strengthen it and improve the likelihood for selection and funding, please reach out to him to review it and possibly help enhance it.

San Antonio Military Health Systems (SAMHS) And Universities Research Forum



1st Place Tie



Patrick McCarthy, M.D.
General Surgery Resident
Brooke Army Medical Center

For the poster

Experience of a Novel Betacoronavirus Multiplex Microsphere Immunoassay in a Deployed Military Field Hospital



Caroline Zhu
Medical Student
Long School of Medicine, UT Health San Antonio

For the poster

Emergency Transfusion in Women of Childbearing Age: Outcomes Support Prehospital O+ Whole Blood Transfusion Program

3rd Place



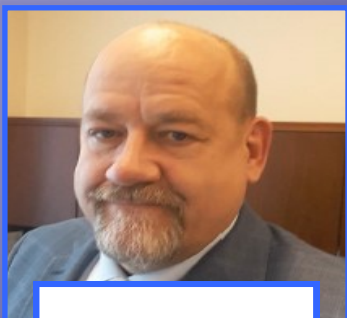
Bailey Preikschat, MPH, CPH
Research Specialist II
UT Health San Antonio

For the poster

Comfort with Uncertainty in Family Medicine Residents: An RRNET Study

2021 Partnership Award

The 59th Medical Wing/ST ORTA was selected to receive the 2021 Partnership Award from the Mid-Continent Region of the Federal Laboratory Consortium (FLC) for technology transfer. The Mid-Continent region is the largest of the six FLC regions and spans 14 states with over 100 federal labs and facilities that include the DoD, DoE, and USDA. This award recognizes the collective work, effort, and impact accomplished by Mr. Joe Lynch, Mr. Jim Weissmann, Mr. Tom Gardner, and Dr. Scott Walter over the last 2 years to support and enable collaborative research and development. This award is a reflection of their creative, customer-oriented, hard-working team.



Dr. Scott Walter



Mr. Joe Lynch



Mr. Jim Weissmann



Mr. Tom Gardner

Science and Technology Contact Information



Our Vision

Grow Medical Leaders, Drive Innovations in Patient Centered Care and Readiness

Our Mission

Conduct clinical studies and translational research and apply knowledge gained to enhance performance, protect the force, and advance medical care and capabilities

Points of Contact

Chief Scientist's Office
Science and Technology
59th Medical Wing
1632 Nellis Street, Bldg. 5406,

JBSA-Lackland TX 78236
Admin Support (292-2097)
Senior Program Analyst (292-2761)
Senior Scientist (292-3513)
Clinical Investigations/CIRS (292-7068)
Area Code: 210; DSN: 554

ST email: usaf.jbsa.59-mdw.mbx.59-mdw-st@mail.mil

Kx site: <https://kx.afms.mil/kj/kx8/59MDWScienceAndTechnology/Pages/home.aspx>

Public site: <http://www.59mdw.af.mil/Units/ChiefScientist-ST.aspx>

<http://www.59mdw.af.mil/News/ArticleDisplay/tabid/2553/Article/936338/science-technology-revolutionizing-tomorrows-military-medicine-today.aspx>

Disclaimer: Individual views expressed within this newsletter are those of the authors and do not necessarily reflect the official views of the Department of Defense or its Components. the official policy or position of the Air Force, the Department of Defense or the U.S. Government.